Amendments to the Claims

1. (canceled)

2. (previously presented) The method of claim 115 wherein the step of storing a record of each of the operations includes:

storing all of the parameters necessary to repeat the operations.

3. (original) The method of claim 2 wherein the ordered list contains a record for each operation that has been previously performed on the three dimensional mesh model in the order in which it was performed.

4. (previously presented) The method of claim 115 wherein the step of reconstructing the three dimensional model includes:

retrieving the stored copy of the first state of the three dimensional mesh model;

retrieving the ordered list of operations; and

performing at least one operation in the ordered list of operations on the retrieved copy of the first state of the three dimensional mesh model.

5. (previously presented) A method for restoring a previous version of a three dimensional mesh model on a computer system comprising:

retrieving a stored copy of an earlier state of the three dimensional mesh model on the computer system;

retrieving an ordered list of operations on the computer system; and

performing at least some of the operations in the ordered list of operations on the retrieved copy of the three dimensional mesh model;

wherein the ordered list of operations contains the operations which if performed in order on the earlier state of the three dimensional mesh model would result in a current state of the three dimensional mesh model.

6. (original) The method of claim 5 wherein each operation is performed in the same order in which it was originally placed in the ordered list.

7. (original) The method of claim 6 further comprising the step of:

rendering the retrieved copy of the three dimensional mesh model to a display device after each operation is performed.

8. (original) The method of claim 6 wherein the ordered list of operations is filtered to exclude at least one record.

9. (original) The method of claim 8 wherein the at least one excluded record is at an end of the list.

10. (original) The method of claim 8 wherein the at least one excluded record is at least one record removed from an end of the list.

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55. (previously presented) The article of manufacture of claim 116 wherein the step of storing a record of each of the operations includes:

storing all of the parameters necessary to repeat the operations.

56. (original) The article of manufacture of claim 55 wherein the ordered list contains a record for each operation that has been previously performed on the three dimensional mesh model in the order in which it was performed.

57. (previously presented) The article of manufacture of claim 116 wherein the step of reconstructing the three dimensional model includes:

retrieving the stored copy of the first state the three dimensional mesh model;

retrieving the ordered list of operations; and

performing at least one operation in the ordered list of operations on the retrieved copy of the first state of the three dimensional mesh model.

58. (previously presented) An article of manufacture comprising a computer-readable medium having stored thereon instructions adapted to be executed by a processor, the instructions which, when executed, define a series of steps to be used for restoring a previous version of a three dimensional mesh model, said steps comprising:

retrieving a stored copy of an earlier state of the three dimensional mesh model;

retrieving an ordered list of operations; and

performing at least some of the operations in the ordered list of operations on the retrieved copy of the three dimensional mesh model;

wherein the ordered list of operations contains the operations which if performed in order on the earlier state of the three dimensional mesh model would result in a current state of the three dimensional mesh model.

59. (original) The article of manufacture of claim 58 wherein each operation is performed in the same order in which it was originally placed in the ordered list.

60. (original) The article of manufacture of claim 59 further comprising the step of:

rendering the retrieved copy of the three dimensional mesh model to a display device after each operation is performed.

61. (original) The article of manufacture of claim 59 wherein the ordered list of operations is filtered to exclude at least one record.

62. (original) The article of manufacture of claim 61 wherein the at least one excluded record is at an end of the list.

63. (original) The article of manufacture of claim 61 wherein the at least one excluded record is at least one record removed from an end of the list.

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114. (previously presented) The system of claim 117 wherein the a computer module for storing a record of each of the operations includes:

a computer module for storing all of the parameters necessary to repeat the operation.

115. (currently amended) A method for managing a three dimensional mesh model on a computer system, comprising:

storing a copy of a first state of the three dimensional mesh model on the computer system;

performing operations on the three dimensional mesh model, wherein the three dimensional mesh model is in a second state after performing the operations;

storing a record of each of the operations in an ordered list on the computer system;

and

~~reconstructing the three dimensional mesh model to a third state by~~ reapplying at least some of the operations stored in the ordered list to the stored first state of the three dimensional mesh model**, wherein the three dimensional mesh model is in a third state after reapplying the at least some of the operations**.

116. (currently amended) An article of manufacture comprising a computer-readable medium having stored thereon instructions adapted to be executed by a processor, the instructions which, when executed, define a series of steps to be used for managing a three dimensional mesh model, said steps comprising:

storing a copy of a first state of the three dimensional mesh model;

performing operations on the three dimensional mesh model, wherein the three dimensional mesh model is in a second state after performing the operations;

storing a record of each of the operations in an ordered list; and

~~reconstructing the three dimensional mesh model to a third state by~~ reapplying at least some of the operations stored in the ordered list to the stored first state of the three dimensional mesh model**, wherein the three dimensional mesh model is in a third state after reapplying the at least some of the operations**.

117. (currently amended) A system for managing a three dimensional mesh model, the system comprising:

a computer module for storing a copy of a first state of the three dimensional mesh model;

a computer module for performing operations on the three dimensional mesh model, wherein the three dimensional mesh model is in a second state after performing the operations;

a computer module for storing a record of each of the operations in an ordered list; and

a computer module for ~~reconstructing the three dimensional mesh model to a third state by~~ reapplying at least some of the operations stored in the ordered list to the stored first state of the three dimensional mesh model**, wherein the three dimensional mesh model is in a third state after reapplying the at least some of the operations**.